



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Lars Ivar SAMUELSON et al.

Appln. No.: 10/613,071

Group Art Unit: 2811

Filed: July 7, 2003

Examiner: J. Jackson

For: NANOSTRUCTURES AND METHODS FOR MANUFACTURING THE SAME

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**DECLARATION OF LARS IVAR SAMUELSON AND
BJORN JONAS OHLSSON UNDER 37 C.F.R. § 1.132**

Mail Stop RCE
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313—1450

Sir:

We, Lars Ivar Samuelson and Bjorn Jonas Ohlsson, hereby make the following Declaration:

1. We are the inventors named in the instant patent application.
2. We are also two of the co-authors named in the article by Bjork et al. cited in the Office Action dated March 8, 2005, to wit, "One-dimensional Steeplechase for Electrons Realized," Nano Letters, Vol. 2, No. 2, January 19, 2002, pp. 87-89. Additionally, we are two of the co-authors named in the article entitled "One-dimensional heterostructures in semiconductor nanowhiskers", Applied Physics Letters, Vol. 80, No. 6, February 11, 2002, pp. 1058-1060, also by Bjork et al. and of record in the instant application.


3. To the extent that either article mentioned in Paragraph 2 discloses subject matter which has been, or which might be, relied upon as a basis for rejecting any claim of the instant application for anticipation under 35 U.S.C. § 102, or obviousness under 35 U.S.C. § 103, such subject matter constitutes our invention.

4. The other co-authors of the articles were not inventors of this subject matter. Specifically, Professor K. Deppert of Lund University was responsible for the machine that provided the Au aerosol catalysts for nanowhisker growth. M. Magnusson was a graduate student at Lund University who worked with Professors Samuelson and Deppert. He prepared the Au aerosol catalysts for nanowhisker growth. R. Wallenberg was a microscopist who made micrographs of the nanowhiskers. M. Bjork, A. Persson and C. Thelander were graduate students in Professor Lars Samuelson's group at Lund University who were working under our direction with respect to the above subject matter.

5. We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under § 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Dec. 7, 2006
Date

December 5 2006
Date


Lars Ivar Samuelson


Bjorn Jonas Ohlsson